



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

DC-825 MHz / 865-2700 MHz Cavity Notch Filter

Part Number: AE845N2245



Electrical Specifications

- Notch Center Frequency:** 845 MHz
- Notch Frequency range:** 835-855 MHz
- Notch Rejection:** ≥ 40 dB
- Passband low side of Notch:** DC-825 MHz
- Passband High side of Notch:** 865-2700 MHz
- Insertion loss in Passband:** ≤ 0.75 dB
- Return Loss in Passband:** ≥ 14 dB
- Input/output Impedance:** 50 Ohms
- Power Handling:** ≤ 25 Watts

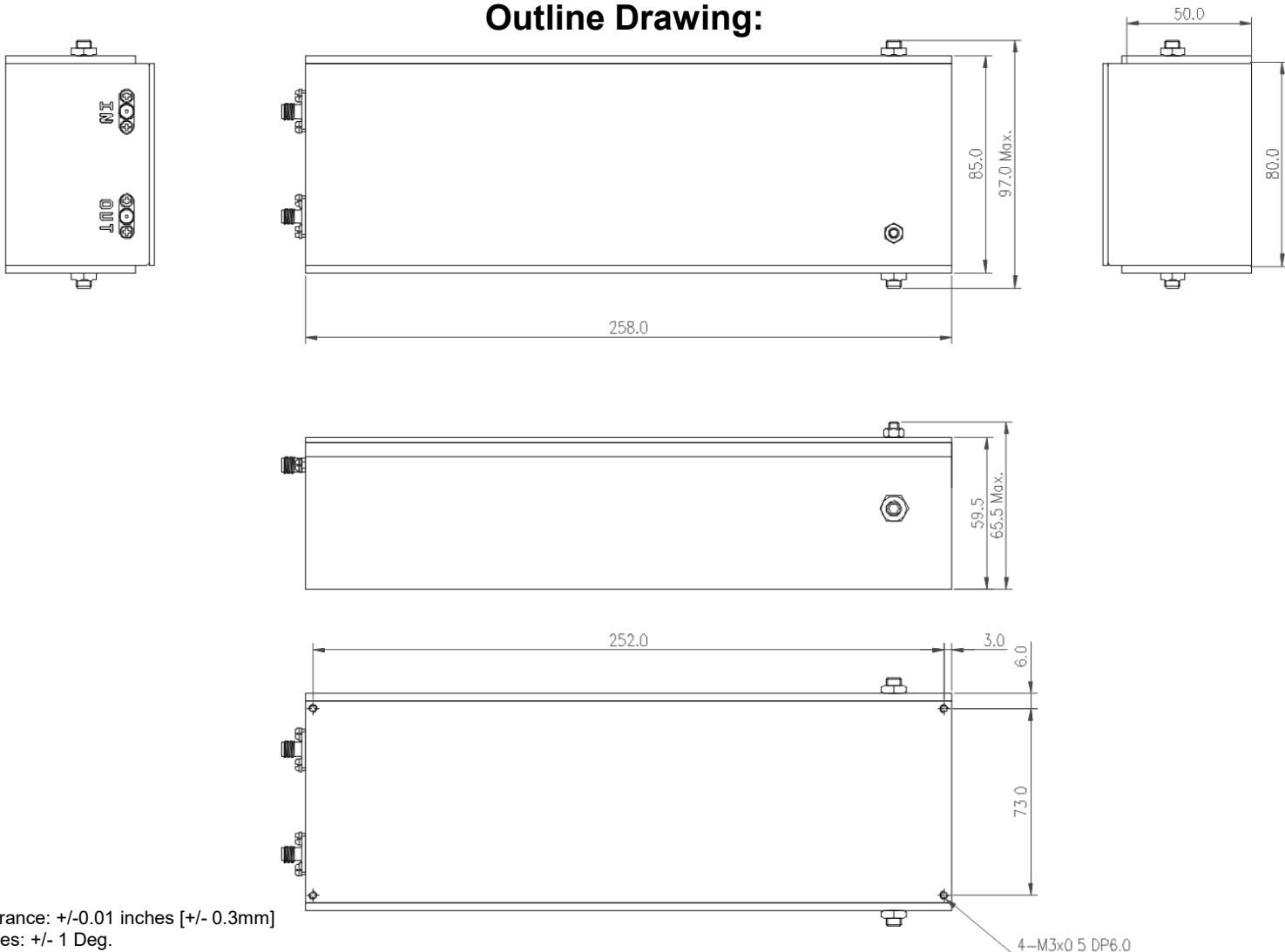
Mechanical

- Mounting Method:** Threaded Holes
- Connector Type:** SMA(F)
- Dimensions:** 258 X 85 X 59.5 mm.
- Dimensions:** 10.15 X 3.35 X 2.35 in.

Environmental

- Operating Temperature:** -20°C to $+70^{\circ}\text{C}$
- Storage Temperature:** -40°C to $+85^{\circ}\text{C}$
- Shock:** 20 G. 11ms
- Vibration:** 20 G. 5 to 200Hz

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]
Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

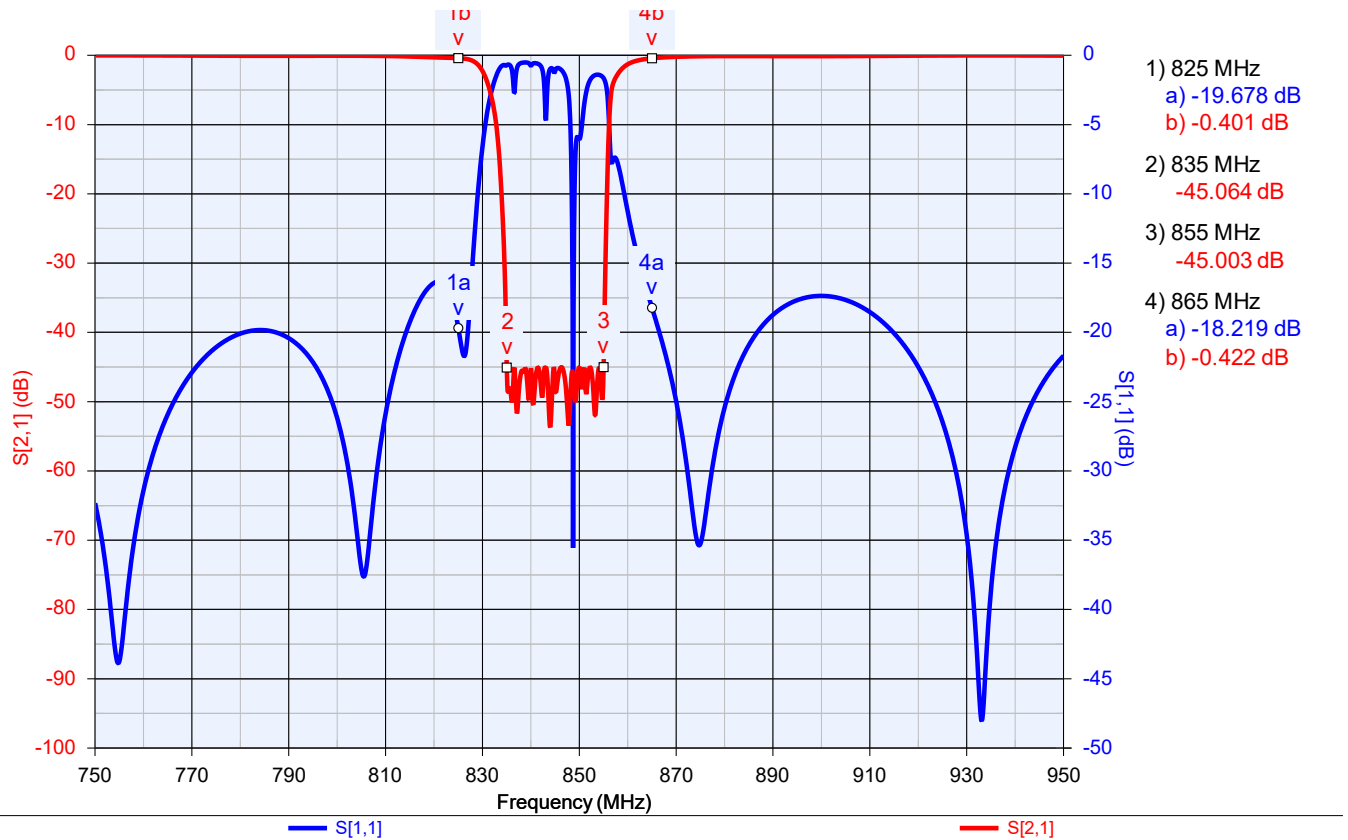
*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 321-3941

Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com



Simulation Plot:



Note: This is a simulated response plot. Actual performance might differ.